

10 - 89-218627
 11 - VACUUM PROCESSOR CAPABLE OF PLURAL PROCESSING
 12 - (2000510) HITACHI LTD
 13 - YZUNO, JUNICHI
 14 - 89.08.31 J01218627, JP 01-218627
 15 - 88.02.29 88JP-044396, 63-44396
 16 - 89.11.28 SECT. C, SECTION NO. 659; VOL. 13, NO. 532, PG. 137.
 17 - 8013-003/02
 18 - 13.1 (INORGANIC CHEMISTRY--Processing Operations); 42.2
 (ELECTRONICS--Solid State Components)
 19 - PURPOSE: To aim at a plurality of efficient evacuating processes
 in the same vacuum container, by subjecting an article to be
 evacuated to different processes by being moved in the same
 vacuum container and preventing evacuating spaces from being
 contaminated by one another with the use of separating plates
 between the evacuating spaces in combination with movable
 shielding plates.
 CONSTITUTION: There are provided an article 1 to be evacuated, a
 holder 2 thereof, a cover 3 for enclosing the region of the
 article other than the holder attached surface and a plurality of
 evacuating spaces A-D between the cover and the wall of a vacuum
 container 6. The article 1 is moved continuously through a
 plurality of the evacuating spaces by the the rotation of the
 holder 2 and the cover 3. Also provided are a pair of separating
 plates 7 and 8 oppositely positioned with a small space between
 each evacuating space and near the opening of the cover 3 movable
 shielding plate 10 which is moved in such position as to avoid
 interference with the separating plates upon movement of the
 article to the adjoining space and, after its movement, in such
 position as to shielded the separating plates alternately. As a
 result, a plurality of efficient evacuating processes can be
 effected in the same vacuum container.

88 2 /C2
 USER:
 FILE JAPIO

PROG:
 YOU ARE ALREADY CONNECTED TO THE JAPIO DATABASE.

88 2 /C2
 USER:
 FILE WPAT

PROG:
 ELAPSED TIME ON JAPIO: 0.02 HRS.
 YOU ARE NOW CONNECTED TO THE DERWENT WPAT DATABASE.
 COVERS 1963 THRU WEEKLY UPDATE 9309/UP, 9309/UPEQ, 9251/UFA, 9224/UPB;
 WPI 9304/UPEQ.

88 1 /C2
 USER:
 922454544/PN

PROG:
 88 1 PBTB (1)

88 2 /C2
 USER:

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- 01 - 75-G0129W/23 (G0129W)
- 02 - Coating application system under vacuum - has item mountings forming working chamber sealed from main one
- 03 - 208 P42
- 04 - (POLV) BALZERS VAKUUM GMBH; (BALZ) BALZERS PATENT AG
- 05 - 8
- 06 - NL7400848-A 75.05.26 (7523)
- 07 - DE2454544-A 75.07.31 (7532)
- 08 - FR2252419-A 75.07.25 (7537)
- 09 - DE3915117-A 75.10.28 (7545) 118/719, 730, 733 10034
- 10 - DE573985-A 76.03.31 (7619)
- 11 - DE1464790-A 77.03.09 (7710)
- 12 - DE2454544-B 78.07.13 (7829)
- 13 - NL145224-B 80.10.15 (8045)
- 14 - 8
- 15 - 72.11.22 73CH-016602
- 16 - 235C-013/00 B44D-003/22 C23C-013/08
- 17 - (NL7400848)

The mechanism has a number of working stations, partly acting as sluices through which the items are received and discharged, and partly as processing stations for the items under vacuum, also a rotary transporter for the items working in a main chamber which can be placed under vacuum. At one or more working stations the mountings for the items form a frame-type wall of a working chamber which can be sealed off from the main one. The chamber has a valve plate, permanently providing a vacuum-tight seal from the main one. The upper and lower edges of the wall can have sealing surfaces pressed against mating surfaces on the valve plate and the stationary part of the processing chamber. The mountings for the items can slide axially in relation to the transporter.

SS 2 /07

USER:

STOP Y

PROG:

TERMINAL SESSION FINISHED 04/23/93 8:05 A.M. (CENTRAL TIME)

ELAPSED TIME ON WPAT: 0.02 HRS.

ELAPSED TIME THIS TERMINAL SESSION: 0.05 HOURS.

ORBIT SEARCH SESSION COMPLETED. THANKS FOR USING ORBIT!

TYMNET: call cleared by request